

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

1. **(Currently Amended)** A system for adjusting a polarization dependent loss, the system comprising:

a first optical device having an optical output;
a second optical device optically coupled to said first optical device; and
a polarization controller optically coupled to both said first optical device and said second optical device, said polarization controller comprising at least one petal that contains at least one fiber optic cable loop, said petal being rotatable about an axis that is parallel to a direction of travel of a light signal passing through said first and said second optical device, said polarization controller ~~adjusts~~ adjusting a polarization state of said optical output of said first optical device to reduce a total polarization-dependent loss of said first and said second optical devices.

2-4. **(Canceled)**

5. **(Original)** The system of claim 1, further comprising a measuring device for measuring a polarization dependent loss of an output of said second optical device.

6. **(Original)** The system of claim 1, wherein said first optical device is any one of a laser transmitter, a polarization beam splitter, an optical crystal, a waveguide, a circulator, and an interleaver.

7. **(Original)** The system of claim 1, wherein said second optical device is any one of a laser transmitter, a polarization beam splitter, an optical crystal, a waveguide, a circulator, an optical coupler, and an interleaver.

8-12. **(Canceled)**

13. **(Currently Amended)** An apparatus for adjusting a polarization dependent loss, the apparatus comprising:

a first optical device having an optical output;

a second optical device optically coupled to said first optical device; and

a polarization controller comprising at least one fiber optic cable loop, each of said at least one fiber optic cable loop being contained in a petal, said polarization controller being optically coupled to both said first optical device and said second optical device, wherein said polarization controller adjusts adjusting a polarization state of said optical output of said first optical device to reduce a total polarization-dependent loss of said first and said second optical devices, said petals being rotatable about an axis that is parallel to a direction of travel of a light signal passing through said first and said second optical device to adjust said polarization dependent loss.

14-15. **(Canceled)**

16. **(Original)** The apparatus of claim 13, further comprising a measuring device for measuring a polarization dependent loss of an output of said second optical device.

17. **(Original)** The apparatus of claim 13, wherein said first optical device is any one of a laser transmitter, a polarization beam splitter, an optical crystal, a waveguide, a circulator, and an interleaver.

18. **(Original)** The apparatus of claim 13, wherein said second optical device is any one of a laser transmitter, a polarization beam splitter, an optical crystal, a waveguide, a circulator, an optical coupler, and an interleaver.

19-36. **(Canceled)**